

AMENDMENTS TO THE CLAIMS

Claims 1-52 (Cancelled)

Claim 53 (Withdrawn) A data transmission method for sequentially transmitting data in packet units each containing transmission data from a transmitting end to a receiving end, said data transmission method comprising:

transmitting an uncompressed packet in which predetermined transmission data is stored as uncompressed data;

subsequently continuously transmitting compressed packets in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as compressed data; and

forming compressed data that is to be stored in any packet other than the uncompressed packet, based on an update information relating to a packet which has been transmitted prior to the packet to be compressed and transmission data of the packet to be compressed.

Claim 54 (Withdrawn) The data transmission method of Claim 53, wherein the update information is in a header portion of a packet unit.

Claim 55 (Withdrawn) The data transmission method of Claim 53, further comprising:

setting information relating to the uncompressed packet as an initial value of the update information; and

updating the update information to information relating to a specific compressed packet

every time the specific compressed packet is formed,

wherein the specific compressed packet has the update information.

Claim 56 (Withdrawn) The data transmission method of Claim 53, wherein said subsequently continuously transmitting compressed packets comprises transmitting the specific compressed packet to the receiving end at a predetermined interval.

Claim 57 (Withdrawn) The data transmission method of Claim 53, wherein said subsequently continuously transmitting compressed packets comprises transmitting the specific compressed packet to the receiving end every time a predetermined number of compressed packets have been transmitted.

Claims 58-62 (Cancelled)

Claim 63 (Withdrawn) A data transmission apparatus for sequentially transmitting data in packet units each containing transmission data from a transmitting end to a receiving end, said apparatus comprising:

a transmission unit operable to transmit an uncompressed packet in which predetermined transmission data is stored as uncompressed data, and then to continuously transmit compressed packets in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as compressed data; and

a formation unit operable to form compressed data that is to be stored in any packet other

than uncompressed packet, based on an update information relating to a packet which has been transmitted prior to the packet to be compressed and transmission data of the packet to be compressed.

Claim 64 (Withdrawn) The data transmission apparatus of Claim 63, wherein the update information is in a header portion of a packet unit.

Claim 65 (Withdrawn) The data transmission apparatus of Claim 63, further comprising a unit operable to:

 set information relating to the uncompressed packet as an initial value of the update information; and

 subsequently update the update information to information relating to a specific compressed packet every time the specific compressed packet is formed,

 wherein the specific compressed packet has the update information.

Claim 66 (Withdrawn) The data transmission apparatus of Claim 63, wherein said transmission unit is further operable to transmit the specific compressed packet to the receiving end at a predetermined interval.

Claim 67 (Withdrawn) The data transmission apparatus of Claim 63, wherein said transmission unit is further operable to transmit the specific compressed packet to the receiving end every time a predetermined number of compressed packets have been transmitted.

Claims 68-78 (Cancelled)

Claim 79 (New) A data reception method for receiving, from a transmitting end, data in packet units, each packet unit containing transmission data, the packet units being received at a receiving end, said data receiving method comprising:

receiving an uncompressed packet in which predetermined transmission data is stored as uncompressed data;

subsequently and continuously receiving compressed packets in which at least a portion of transmission data, following the predetermined transmission data, is compressed and stored as compressed data;

restoring transmission data from a compressed packet to be restored, the transmission data being restored based on update information relating to a packet received prior to the compressed packet to be restored and based on compressed data included in the received compressed packet to be restored;

setting information relating to the uncompressed packet as an initial value of the update information; and

subsequently updating the update information to include information relating to a specific compressed packet every time transmission data of the specific compressed packet is restored,

wherein the specific compressed packet includes the update information.

Claim 80 (New) The data reception method of Claim 79, wherein the update information is in a

header portion of a packet unit.

Claim 81 (New) The data reception method of Claim 79, wherein said subsequently and continuously receiving of the compressed packets comprises receiving the specific compressed packet at a predetermined interval.

Claim 82 (New) The data reception method of Claim 79, wherein said subsequently and continuously receiving of the compressed packets comprises receiving the specific compressed packet every time a predetermined number of compressed packets are received.

Claim 83 (New) A data reception apparatus for receiving, from a transmitting end, data transmitted in packet units, said data reception apparatus comprising:

a reception unit operable to receive an uncompressed packet in which predetermined transmission data is stored as uncompressed data, and subsequently operable to continuously receive compressed packets in which at least a portion of transmission data, following the predetermined transmission data, is compressed and stored as compressed data;

a restoration unit operable restore transmission data from a compressed packet to be restored, the transmission data being restored based on update information relating to a packet received prior to the compressed packet to be restored and based on compressed data included in the received compressed packet to be restored; and

a unit operable to:

set information relating to the uncompressed packet as an initial value of the

update information; and

subsequently update the update information to include information relating to a specific compressed packet every time transmission data of the specific compressed packet is restored,

wherein the specific compressed packet includes the update information.

Claim 84 (New) The data reception apparatus of Claim 83, wherein the update information is in a header portion of a packet unit.

Claim 85 (New) The data reception apparatus of Claim 83, wherein said reception unit is operable to receive the specific compressed packet at a predetermined interval.

Claim 86 (New) The data reception apparatus of Claim 83, wherein said reception unit is operable to receive the specific compressed packet every time a predetermined number of compressed packets are transmitted.